**CLAIMS:** 

A method of inhibiting or effecting the activity of a GPCR which comprises contacting a GPCR with a compound of general formula 1, or a. pharmaceutically acceptable salt thereof

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$$R_5X$$
 $Q$ 
 $ZR_1$ 
 $XR_2$ 
 $XR_3$ 

#### General Formula I

Wherein the ring may be of any configuration; 10

> Z is selected from the group consisting of: sulphur, oxygen, or NR<sup>A</sup> wherein R<sup>A</sup> is selected from the set defined for R<sub>1</sub> to R<sub>5</sub> or C1 to C15 acyl, C4 to C15 arylacyl or C4 to C15 heteroarylacyl, with the proviso that both R<sub>1</sub> and R<sup>A</sup> are not hydrogen,

15

X is selected from the group consisting of: oxygen or NR<sup>A</sup> providing that at least one X of General Formula I is NRA,

R<sub>1</sub> to R<sub>5</sub> are independently selected from the group consisting of: H, C1 to C12 alkyl, C1 to C12 alkenyl, C1 to C12 alkynyl, C1 to C12 heteroalkyl, C4 to C15 aryl, C4 to 20 C15 heteroaryl, C4 to C15 arylalkyl or C4 to C15 heteroarylalkyl substituent,

wherein, when X is  $NR^A$ , both  $R^A$  and the corresponding  $R_1$  to  $R_5$  are not hydrogen.

The method of claim 1, wherein any one of  $R^A$  or  $R_1$  to  $R_5$  is 25 2. substituted with a moiety selected from the group consisting of: OH, NO, NO2, NH2, N<sub>3</sub>, halogen, CF<sub>3</sub>, CHF<sub>2</sub>, CH<sub>2</sub>F, nitrile, alkoxy, aryloxy, amidine, guanidiniums, carboxylic acid, carboxylic acid ester, carboxylic acid amide, aryl, cycloalkyl, heteroalkyl, heteroaryl, aminoalkyl, aminodialkyl, aminotrialkyl, aminoacyl, carbonyl, substituted or unsubstituted imine, sulfate, sulfonamide, phosphate, phosphoramide,

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hydrazide, hydroxamate, hydroxamic acid, heteroaryloxy, aminoaryl, aminoheteroaryl, thioalkyl, thioaryl or thioheteroaryl.

3. The method of claim 1, wherein the compound is

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#### General Formula II

10 4. The method of claim 1, wherein the compound is

$$R_5X$$
 $A$ 
 $XR_2$ 

#### General Formula III

- Wherein A is selected from the group consisting of: N(R<sup>A</sup>)R<sub>1</sub>, SR<sub>1</sub>, or OR<sub>1</sub>.
  - 5. The method of claim 1, wherein the compound is

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#### General Formula IV

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6. The method of claim 1, wherein the compound is

General Formula V

7. The method of claim 1, wherein the compound is

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General Formula VI

8. The method of claim 1, wherein the compound is

15 General Formula VII

9. The method of claim 1, wherein the compound is

20 General Formula VIII

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10. The method of claim 1, wherein the compound is

General Formula IX

11. The method of claim 1, wherein the compound is

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General Formula X

12. The method of claim 1, wherein the compound is

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General Formula XI

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13. The method of claim 1, wherein the compound is

General Formula XII

The method of claim 1, wherein the receptor is a somatostatin receptor.

15. The method of claim 1, wherein the receptor is a melanocortin receptor.

16. The method of claim 14, wherein the compound is

R1	R2	R3	R4
P1	G1	P1	P7
P1	G2	P2	P7
P1	A3	P3	P7
P2	A3	P3	P7
P3	G2	P1	P7
P3	A3	P1	P7
P3	G3	P1	P7
P3	A3	P3	P7
P3	G2	P4	P7
P3	A3	P4	P7
P3	G3	P4	P7
P4	G2	P1	P7
P4	G2	P2	P7
P4	G3	P2	P7
P4	A3	P3	P7

P4	G2	P4	P7
P4		P4	P7
P6		P1	P7
P1			D7
P2	A3		P7
		P6	P7
P2	G3	P6	P7
P3	A3 A3 A3	P6	P7
P4	A3	P6	P7 P7
P5	A3	P6	P/
P1		P1	P7
P1	G3	P1	P7
P1	G3	P2	P7
<u>P1</u>	G2	P3	P7
<u>P1</u>	G2	P4	P7
<u>P1</u>	A3	P4	P7 P7
<u>P1</u>	G3	P4	P7
<u>P2</u>	G1	P1	P7
<u>P2</u>	G2	P1	P7
<u>P2</u>	A3	P1	P7
<u>P2</u>	G2	P2	P7
P2	A3	P2	P7
P2	G3	P2	P7
<u>P2</u>	G3	P3	P7 P7
P2	A3	P4	P7
P2	<b>G3</b>	P4	P7
P4	A3	P1	<b>P</b> 7
P4	G3	P1	P7
P4 P4	G3 A3	P2	P7
P4	G3	P3	P7
P5	A3	P1	P7
P5	G3	P1	P7
P5	A3	P2	P7
P5	A3	P4	P7
P5	G3	P4	P7
P1	A3	P1	P7
P3	A3	P2	P7
P4	A3	P4	P7

### 17. The method of claim 15, wherein the compound is

wherein R1, R2, R3 and R4 are selected from the group combinations of:

R1	R2	R3	R4	MC4 inhibition at 10 micromolar
P1	G1	P1	P7	+
<u>P3</u>	G1	P1	P7	+
<u>P3</u>	G2	P1	P7	+
P4	G2	P1	P7	+
P4_	G2	P2	P7	+
P4_	G3	P2	P7	+
P5	G1	P1	P7	+
P5	G2	P1	P7	+
P1	A3	P1	P7	+
P1	G3	P1	P7	+
P1	G3	P2	P7	+
P1	G2	P4	P7	+
P1	A3	P4	P7	+
P1	G3	P4	P7	+
P2	G1	_P1	P7	+
P2	G2	P1	P7	+
P2	<b>A3</b>	P1	P7	+
P2	G2	P2	P7	+
P2	<b>A3</b>	P2	<b>P7</b>	+
P2	G3	P2	P7	+
P2	G3	P4	P7	+
P4	G3	P1	P7	+
P4	A3	P2	P7	+
P5	G3	P1	P7	+
<u>P1</u>	A3	P1	P7	+

and wherein the groups P, G and A are as described in "Substituents per Example Libraries 1-14" in the specification.

### 18. The method of claim 15, wherein the compound is

	1	<u></u>
R2	R3	R4
	_	_
G1	P7	P1
G2	P7	P1
G3	P7	P1
G1	P7	P2
<b>A3</b>	P7	P2
G3	P7	P2
G1	P7	P4
G2	P7	P4
A3	P7	P4
G3	P7	P4
G1	P7	P1
G2	P7	P1
A3	P7	P1
G3	P7	P1
G1	P7	P2
G2	P7	P2
A3	P7	P2
G3	P7	P2
G1	P7	P4
G2	P7	P4
A3	P7	P4
G3	P7	P4
G3	P7	P1
G1	P7	P2
G3	P7	P4
G1	P7	P1
G2	P7	P1
G3	P7	P1
G1	P7	P2
G2	P7	P2
A3	P7	P2
G3	P7	P2
G1	P7_	P4
G2	P7	P4
	G2 G3 G1 A3 G3 G1 G2 A3	G1 P7 G2 P7 G3 P7 G1 P7 G3 P7 G1 P7 G2 P7 A3 P7 G3 P7 G3 P7 G1 P7 G2 P7 A3 P7 G2 P7 A3 P7 G2 P7 A3 P7 G2 P7 A3 P7 G2 P7 G3 P7 G1 P7 G2 P7 G3 P7 G1 P7 G2 P7 A3 P7 G1 P7 G2 P7 A3 P7 G1 P7 G2 P7 A3 P7 G3 P7 G1 P7 G2 P7 A3 P7 G3 P7 G3 P7 G1 P7 G3 P7 G3 P7 G1 P7

P4	A3	P7	P4
P4	G3	P7	P4
P5	G1	P7	P1
P5	G2	P7	P1
P5	<b>A3</b>	P7	P1
P5	G3	P7	P1
P5	G1	P7	P2
P5	G2	P7	P2
P5	<b>A3</b>	P7	P2
P5	G3	P7	P2
P5	G1	P7	P4
P5	G2	P7	P4
P5	A3	P7	P4
P5	G3	P7	P4
<u>P1</u>	G1	P7	P6
<u>P4</u>	G2	P7	P6
P6	G1	P7	P1
P6	G2	P7	P1
P6	A3	P7	P1
P6	G3	P7	P2
P6	G2	P7	P2
P6	G3	P7	P2

# 5 19. The method of claim 14, wherein the compound is

wherein R1, R2, R3 and R4 are selected from the group combinations of:

R1	R2	R3	R4
<del></del>	G1	P7	P1
P1	G2	P7	P1
P1	G2	P7	P2
P1	A3	P7	P2
P2	A3	P7	P1
P2	A3	P7	P2
P2	A3	P7	P4

P3	G1	<b>P7</b>	P2
P3	<b>A3</b>	P7	P4
P4	G2	P7	P1
P4	<b>A3</b>	P7	P1
P4	G3	P7	P1
P4	G1	P7	P2
P4	G2	P7_	P2
P4	<b>A3</b>	P7	P2
P4	G3	P7	P2
P4	<b>A3</b>	P7	P3
P4	<b>A3</b>	P7	P4
P5	<b>A3</b>	P7	P1
P5	<b>A3</b>	P7	P2
P5	G3	P7	P2
P5	<b>A3</b>	P7	P4
P2	A3	P7	P6
P4	A3	P7	P6
<u>P6</u>	<b>A3</b>	P7	P4

### 5 20. The method of claim 15, wherein the compound is

wherein

R4, R2 and R3 are selected from the group combinations of:

R2	R3	R4
<del>G</del> 1	P3	P3
A2	P3	P3
G2	Р3	P3
G3	P3	P3
G1	P3	P4 P4
G2	P3	P4
A3	P3	P4
G3	P3	P4

G1	P3	P1
A2	P3	P1
G2	P3	P1
A3	P3 P3 P3	P1
G3	P3	P1
A1	P3	P2
<u>G1</u>	P3	P2
A2	P3	P2
G2	P3	P2
A3	P3	P2
G3	P3	P2
G1	P4	P3
A2	P3 P3 P3 P3 P3 P3 P4 P4 P4	P3
G2	P4	P3
G3	P4	P3
G1	P4	P4
A2	P4 P4 P4 P4 P4 P4	P2 P2 P2 P3 P3 P3 P3 P4 P4
G2	P4	P4
G3	P4	P4
A1	P4	P1
G1	P4	P4 P1 P1
<u>A2</u>	P4	P1
<u>G2</u>	P4	P1
A2 G2 A3 G3 A1 G1 A2 G2 A3 G3 G1 A2 G2 G3 G1 A2 G2 G3 G1 A2 G2 G3 A1 G1 A2 G2 G3 A1 G1 A2 G2 A3	P4	P1
G3 A1	P4	P1
<u>A1</u>	P4	P2
G1	P4	P2
<u>A2</u>	P4	P2
<u>G2</u>	P4	P2
A2 G2 A3 G3	P4	P2 P2 P2
<u>G3</u>	P4	P2
<u>A1</u>	P1	P3
<u>G1</u>	P1	P3
A2	P1	P3
<u>G2</u>	P1	P3
G2 A3 G3 A1	P1	P3 P3 P4
<u>G3</u>	P1	P3
AI	P1	P4
<u>G1</u>	P1	P4
G1 A2 G2	P1	P4 P4
GZ	P1	P4
A3 G3 A1	P1	P4
<u>G3</u>	P1 P1	P1
G1	P1	P1
A2	P1	P1
AL	Ir I	14.4

G2       P1       P1         A3       P1       P1         A1       P1       P2         G1       P1       P2         A2       P1       P2         G2       P1       P2         A3       P1       P2         G3       P1       P2         A1       P2       P3         G1       P2       P3         G2       P2       P3         A3       P2       P3         A1       P2       P4         G1       P2       P4         A2       P2       P4         A2       P2       P4         A3       P2       P4         A3       P2       P4         A3       P2       P4         A1       P2       P4	
A3 P1 P1	
A1 P1 P2 G1 P1 P2	
G1 P1 P2	
A2 P1 P2	
A2 P1 P2 G2 P1 P2	
A3       P1       P2         G3       P1       P2         A1       P2       P3         G1       P2       P3         G2       P2       P3         A3       P2       P3	
G3 P1 P2	
A1 P2 P3	
G1 P2 P3	
G2 P2 P3 A3 P2 P3	
A3 P2 P3	
G3 P2 P3	
G3 P2 P3 A1 P2 P4	
G1 P2 P4	
A2 P2 P4	
G2 P2 P4	
G1 P2 P4 A2 P2 P4 G2 P2 P4 A3 P2 P4	
G3 P2 P4	
A1 P2 P1	
G1 P2 P1	
G1 P2 P1 A2 P2 P1 G2 P2 P1	
G2 P2 P1	
A3 P2 P1	
G3 P2 P1	
G1       P2       P4         A2       P2       P4         G2       P2       P4         A3       P2       P4         G3       P2       P4         A1       P2       P1         G1       P2       P1         A2       P2       P1         A3       P2       P1         A3       P2       P1         A3       P2       P1         A1       P2       P2         G1       P2       P2         A2       P2       P2	
G1 P2 P2	
A2 P2 P2	
G2 P2 P2	

#### 5 21 The method of claim 14, wherein the compound is

R2	R3	R4
	l	

A 1	P3	D3
$\frac{\Delta 1}{G1}$	D2	P3
42	P3	D2
A2	F 3	P2
42	rs Da	P3
A3	rs na	P3
<u>G3</u>	P3	P3
A1	<u> </u>	P4
$\frac{G1}{12}$	P3	P4
A2	P3	P4
<u>G2</u>	P3	P4
<u>A3</u>	P3	P4
<u>G3</u>	P3	P4
<u>A1</u>	P3	P1
<u>G1</u>	P3	P1
<u>A2</u>	P3	P1
A1 G1 A2 G2 A3 G3 A1 G1 A2 G2 A3	P3 P4 P4 P4 P4 P4 P4 P4 P4	P3 P3 P3 P3 P4 P4 P4 P4 P4 P1 P1 P1 P1 P1 P1 P1
<u>A3</u>	P3	P1
<u>G3</u>	P3	P1
<u>A1</u>	P3	P2
<u>G1</u>	P3	P2
A2	P3	P2
<u>G2</u>	P3	P2
A3	P3	P2
G3	P3	P2 P2 P2 P2 P2 P3 P3 P3 P3
A1	P4	P3
G1	P4	P3
A2	P4	P3
G1 A2 G2 A3 G3 A1	P4	P3
A3	P4	P3 P3 P4
G3	P4	P3
A1	P4	P4
G1	P4	P4
A2	P4	P4
G2	P4	P4 P4 P4
A3	P4	P4
G3	P4	P4
A1	P4	P1 P1
G1	P4	P1
G2 A3 G3 A1 G1 A2 G2 A3 G3 A1	P4 P4 P4 P4 P4 P4 P4 P4 P4	P1
G2	P4	P1
A3	P4	P1
G3	P4	P1 P1
A1	P4	P2
G1	P4	P2
G1 A2 G2	P4 P4 P4	P2 P2 P2
G2	P4	P2
<u> </u>	<u> </u>	<u> </u>

A3 !	P4	P2
$\frac{G3}{G3}$	P4	P2
A1	P1	P3
$\frac{\alpha_1}{G1}$	D1	P3
<u> </u>	P4 P4 P1 P1	P3
C2	D1	D2
M2	D1	D2
$\frac{A3}{C2}$	D1	D2
41	D1	DA
$\frac{A1}{C1}$	D1	D4
42	D1	D4
A2	D1	D4
<u>G2</u>	D1	DA
A3	D1	D4
41	P1	D1
$\frac{AI}{C1}$	P1	P1
<u>G1</u>	P1	P1
AZ	P1	121
G2	P1	P1
A3	P1	P1
<u>G3</u>	P1	P1
Al	PI	P2
<u>G1</u>	P1	P2
<u>A2</u>	P1	P2
A3 G3 A1 G1 A2 G2 A3 G3 A1	P1 P	P2 P3 P3 P3 P3 P3 P4 P4 P4 P4 P4 P1 P1 P1 P1 P1 P2 P2 P2 P2 P2 P2 P3 P3 P3 P3 P3
<u>A3</u>	P1	P2
<u>G3</u>	P1	P2
<u>A1</u>	P2	P3
<u>G1</u>	P1 P2 P2 P2 P2 P2 P2	P3
<u>A2</u>	P2	P3
<u>G2</u>	P2	P3
<u>A3</u>	P2	P3
<u>G3</u>	P2	P3
<u>A1</u>	P2	P4
G1	P2	P4
A1 G1 A2 G2 A3 G3 A1 G1 A2 G2 A3 G3 A1 G1	P2 P	P4 P4 P4 P4 P1 P1 P1 P1 P1 P2 P2
G2	P2	P4
A3	P2	P4
<u>G3</u>	P2	P4
<u>A1</u>	P2	P1
<u>G1</u>	P2	P1
A2	P2	P1
G2	P2	P1
A3	P2	P1
G3	P2	P1
<u>A1</u>	P2	P2
G1	P2	P2

5

A2	P2	P2
G2	P2	P2

and wherein the groups P, G and A are as described in "Substituents per Example Libraries 1-14" in the specification.

# 22. The method of claim 15, wherein the compound is

wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3.	
P3	G1	P3	
P3	G2	P3	
P3	G3	P3	
P3	A1	P4	
P3	G1	P4	
P3	A2	P4	
P3	G2	P4	
P3	A3	P4	
P3	G3	P4	
P3	A1	P1	
P3	G1	P1	
P3	A2	P1	
P3	G2	P1	
P3	A3	P1	
P3	G3	P1	
P3	G1	P2	
P3	A2	P2	_
P3	G2	P2	
P3	A3	P2	
P3	G3	P2	
P4	G1	P3	
P4	G2	P3	
P4	G3	Р3	

P4	A1	P4
P4	G1	P4
P4	A2	P4
P4	G2	P4
P4	A3	P4
P4	G3	P4
P4	A1	P1
P4	G1	P1
P4	A2	P1
P4	G2	P1
P4	A3	P1
P4	G3	P1
P4	A1	P2
P4	G1	P2
P4	A2	P2
P4	G2	P2
P4	A3	P2
P4	G3	P2
P5		P3
	G1	
P5	G2	P3
P5	G3	P3
P5	G1	P4
P5	A2	P4
P5	G2	P4
P5	A3	P4
P5	G3	P4
P5	A1	P1
<u>P5</u>	G1	P1
P5	A2	P1
<u>P5 · · </u>	G2	P1
P5	A3	P1
P5	G3	P1
P5	A1	P2
P5	G1	P2
P5	A2	P2
P5	G2	P2
P5	A3	P2
P5	G3	P2
P2	G1	P3
P2	A2	P3
P2	G2	P3
P2	G1	P4
P2	G2	P4
P2	A3	P4
P2	G3	P4
P2	G1_	P1

P2	A2	P1	
P2 P2	A2 G2 A3 G3	P1 P1	
P2	A3	P1	
P2	G3	P1	
P2	A 1	P2	
P2	G1	P2	
P2 P2 P2 P2 P2 P2	G1 G2 G3	P2 P2 P2	
P2	G3	P2	

### 5 23. The method of claim 14, wherein the compound is

1	ſ
1	·

R1	R2	R3
P3	A1	P3
P3	G1	P3
P3	A2	P3
P3	G2	P3
P3	A3	P3
P3	G3	P3
P3	A1	P4
P3	G1	P4
P3	A2	P4
P3	G2	P4
P3	A3	P4
P3	G3	P4
P3	A1	P1
P3	G1	P1
P3	A2	P1
P3	G2	P1

P3	A3	P1
P3	G3	P1
P3	A1	P2
P3	G1	P2
P3	A2	P2
P3	G2	P2
P3	A3	P2
P3	G3	P2
P4	G1	P3
P4	A2	P3
P4	G2	P3
P4	A3	P3
P4	G3	P3
P4	A1	P4
P4	G1	P4
P4	A2	P4
P4	G2	P4
P4	A3	P4
P4	G3	P4
P4	A1	P1
P4	G1	P1
P4	A2	P1
P4	G2	P1
P4	A3	P1
P4	G3	P1
P4	A1	P2
P4	G1	P2
P4	A2	P2
P4	G2	P2
P4	A3	P2
P4	G3	P2
P5	A1	P3
P5	A2	P3
P5	G2	P3
P5	A3	P3
P5	G3	P3
P5	A1	P4
P5	G1	P4
P5	A2	P4
P5	G2	P4
<u>P5</u>	A3	P4
P5	G3	P4
P5	A1	P1
P5	G1	P1
P5	A2	P1
P5	G2	P1

P5	A3	P1
P5	G3	P1
P5	A1	P2
P5	G1	P2
P5	A2	P2
P5 P5 P5	G2	P2 P2 P2 P2 P3 P3
P5	A3 G3	P2
P5	G3	P2
P2	A1	P3
P2	G1	P3
P2	A2	P3
P5 P2 P2 P2 P2 P2 P2	G2 A3 G3	P3 P3 P3
P2	A3	P3
P2 P2 P2 P2	G3	P3
P2	A1	P4
P2	G1	P4
P2	A2	P4
P2 P2 P2	G2	P4
P2	A3	P4
P2	G3	P4 P4
P2	A1	P1
P2 P2 P2	<b>G</b> 1	P1
P2	A2	P1
P2	G2	P1
P2	A3	P1
P2	G3	P1
P2	A1	P1 P2
P2	G1	P2
P2	A2	P2
P2	G2	P2
P2	A3	P2
P2	G3	P2

5 24. The method of claim 15, wherein the compound is

R1	R2	R3	
P3 P3 P3	N4 N4	E2	
P3	N4	E4 E6	
P3	N4	<b>E6</b>	
P4 P4	N4 N4 N4	E2 E4	
P4	N4	E4	

5

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and wherein the groups P, N and E are as described in "Substituents per Example Libraries 1-14" in the specification.

25. The method of claim 14, wherein the compound is

wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3
D2	N/A	E5
<u>P3</u>	N4 N4	
P3	N4	<b>E6</b>
P3 P4 P4 P4	N4	E1
P4	N4 N4	E2 E5
P4	N4	E5

and wherein the groups P, N and E are as described in "Substituents per Example Libraries 1-14" in the specification.

26. The method of claim 15, wherein the compound is

wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3
<b>E2</b>	N4	P3
<b>E4</b>	N4	P3
<b>E6</b>	N4	P3
E4	N4	P4
<b>E5</b>	N4	P4
<b>E6</b>	N4	P4

5

and wherein the groups P, N and E are as described in "Substituents per Example Libraries 1-14" in the specification.

27. The method of claim 14, wherein the compound is

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wherein R1, R2 and R3 are selected from the group combinations of:

		•
R1	R2	R3
E1	N4	P3
E5	N4	P3
<b>E6</b>	N4	P3
E1	N4	P4
E2	N4	P4
<b>E</b> 5	N4	P4

and wherein the groups P, N and E are as described in "Substituents per Example

Libraries 1-14" in the specification.

The method of claim 15, wherein the compound is 28.

wherein R1, R2 and R3 are selected from the group combinations of: 5

R1	R2	R3
<b>E2</b>	P3	N4
<b>E4</b>	P3	N4
<b>E6</b>	P3	N4
E1	P4	N4
<b>E6</b>	P4	N4

and wherein the groups E, P and N are as described in "Substituents per Example Libraries 1-14" in the specification.

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The method of claim 14, wherein the compound is 29.

R1	R2	R3
<u>E1</u>	P3	N4
E2	P3	N4
<b>E5</b>	P3	N4
<b>E6</b>	P3	N4
E1	P4	N4

30. The method of claim 15, wherein the compound is

5 wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3
<u>E1</u>	P3	N4
E2	P3	N4
<b>E3</b>	P3	N4
E5	P3	N4
E1	P4	N4
E2	P4	N4
<b>E3</b>	P4	N4
E5	P4	N4

and wherein the groups E, P and N are as described in "Substituents per Example Libraries 1-14" in the specification.

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31. The method of claim 14, wherein the compound is

R1	R2	R3
<b>E5</b>	P3	N4
<b>E6</b>	P3	N4
E1	P4	N4
<b>E2</b>	P4	N4
<b>E5</b>	P4	N4

The method of claim 15, wherein the compound is 32.

5

wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3
<del>P4</del>	E8	P2
P4	E9	P2
<b>P4</b>	E10	P2
P4	G1	P2
P4	E8	P2
<b>P4</b>	E9	P2
P4	E11	P2
P4	G1	P2

and wherein the groups P, G and E are as described in "Substituents per Example Libraries 1-14" in the specification.

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The method of claim 15, wherein the compound is 33.

R1	R2	R3	R4
P2	A2	P4	P2
P2	A2	P4	P2
P2	A2	P4	P3
P2	A2	P4	P3
P2	A2	P4	P4

P2	A2	P4	P4
P2			P2
P2	A2	P2	P2
P2			P3
P2	A2	P2	P4
P2	A2	P2	P4
P2	<b>A2</b>	P3	P2
P2	A2	P3	P3
P2	A2	P3	P3
P2	A2	P3 P3 P3	P3 P3 P4
P2	A3	P4	P2
P2	<b>A3</b>	P4	P2
P2	A3	P4	P4
P2 P2 P2	A2 A2 A2 A2 A2 A3 A3 A3 A3 A3 A3	P4 P4 P4 P2 P2	P4 P4 P2 P4
P2	A3	P2	P2
P2	<b>A3</b>	P2	P4
P2	<b>A3</b>	P2	P4
P2	A3	P3	P2
P2	<b>A3</b>	P3	P2
<b>P</b> 2	<b>A3</b>	P3	P3
P2	<b>A3</b>	P3	P4
P2 P4 P4	A3 A3 A3 A3 A2 A2	P3 P3 P3 P3 P4 P4	P2 P3 P4 P3 P4 P2
<u>P4</u>	A2	P4	P4
P4 P4	A2	P2 P2	P2
<u>P4</u>	A2 A2 A2 A2 A2 A2	<b>P2</b>	P3 P3
P4 P4 P4 P4 P4 P4 P4	A2	P2	P3
<u>P4</u>	A2	P2	P4
<u>P4</u>	A2	P2 P3 P3	P4 P2 P3 P4
<u>P4</u>	A2	P3	P2
<u>P4</u>	A2	P3	P3
<u>P4</u>	<b>A2</b>	<b>P3</b>	P4
<u>P4</u>	A3	P4	P2
<u>P4</u>	A3	P4_	P3
<u>P4</u>	A3 A3	P4	P4
<u>P4</u>	A3	P2 P2	P2
<u>P4</u>	<b>A3</b>	P2	P2
P4	A3	P2	P3
P4	A3	P2	P3
P4	A3	P2 P2 P2	P4
P4	A3 A3 A3	P2	P4
P4	A3	P3	P2
<u>P4</u>	A3	P3	P4

and wherein the groups P, and A are as described in "Substituents per Example Libraries 1-14" in the specification.

## 34. The method of claim 15, wherein the compound is

WIIC	wherein K1, K2, K3			
R1	R2	R3	R4	
P3	A2	P4	P2	
<b>P3</b>	A2	P4	P3	
P3	A2	P4	P4	
P3	A2	P2	P2	
P3	A2	P2	P3	
P3	<b>A2</b>	P2	P4	
P3	A2	P3	P2	
<b>P3</b>	A2	P3	P3	
P3	A2	P3	P4	
P3	A3	P4	P2	
P3	A3	P4	P4	
P3	<b>A3</b>	P2	P2	
P3	<b>A3</b>	P2	P3	
P3	A3	P2	P4	
P3	<b>A3</b>	P3	P2	
P3	A3	P3	P4	
P2	A2	P4	P2	
P2	A2	P4	P3	
P2	A2	P4	P4	
P2	A2	P2	P2	
P2	A2	P2	P3	
P2	A2	P2	P4	
P2	A2	Р3	P2	
P2	A2	P3	P3	
P2	A2	Р3	P4	
P2	A3	P4	P2	
P2	A3	P4	P3	
P2	A3	P4	P4	
P2	A3	P2_	P2	
P2	<b>A3</b>	P2	P3	
P2	A3	P2	P4	
P2	A3	Р3	P2	
P2	<b>A3</b>	P3	P3	
P2	<b>A3</b>	P3	P4	

5

and wherein the groups P, and A are as described in "Substituents per Example Libraries 1-14" in the specification.

35. The method of claim 15, wherein the compound is

wherem K1, K2, K3 a				
R1	R2	R3	R4	
				l
P3	G1	P4	P2	
P3	G1	P4	P2	١
P3	G1	P4	P3	1
P3	G1	P4	P3	]
P3	G1	P4	P4	
P3	G1	P2	P2	
P3	G1	P2	P2	
P3	G1	P2	P3	
P3	G1	P2_	P4	
P3	G1	P2	P4	
P3	G1	P1_	P2	
P3	G1	P1_	P3	
<u>P3</u>	G1	P1	P3	_
<u>P3</u>	G1	P1_	P4	
<u>P3</u>	G1	P1	P4	
<u>P3</u>	G2	P4	P2	
<u>P3</u>	G2	P4	P2	
P3	G2	P4	P3	
P3	G2	P4	P3	
<u>P3</u>	G2	P4	P4	
<u>P3</u>	G2	P4	P4	
<u>P3</u>	G2	P2	P2	
<u>P3</u>	G2	P2	P3	
<u>P3</u>	G2	P2	P3_	
<u>P3</u>	G2	P2	P4	_
<u>P3</u>	G2	P2	P4	
<u>P3</u>	G2	P1	P2	_
<u>P3</u>	G2	P1	P2	_
<u>P3</u>	G2	P1	P3	
<u>P3</u>	G2	P1	P4	
P3	G2	P1	P4	

5

and wherein the groups P, and A are as described in "Substituents per Example Libraries 1-14" in the specification.

35. The method of claim 15, wherein the compound is

wherein K1, K2, K3 a			
R2	R3	R4	
G1	P4	P2	
G1	P4	P2	
G1	P4	P3	
G1	P4	P3	
G1	P4_	P4	
G1	P2	P2	
G1	P2	P2	
G1	P2	P3	
G1	P2	P4	
G1	P2	P4	
G1	P1	P2	
<del></del>	P1	P3	
G1	P1	P3	
G1	P1	P4	
G1	P1	P4	
G2	P4	P2	
G2	P4	P2	
G2	P4	P3	
	P4	P3	
G2	P4	P4	
G2	P4	P4	
G2	P2	P2	
G2	P2	Р3	
G2	P2	P3	
G2	P2	P4	
G2	P2	P4	
G2	P1	P2_	
G2	P1	P2	
G2	P1	Р3	
G2	P1	P4	
G2	P1	P4	
	R2 G1 G2	R2 R3  G1 P4  G1 P4  G1 P4  G1 P4  G1 P2  G1 P2  G1 P2  G1 P2  G1 P2  G1 P1  G1 P1  G1 P1  G1 P1  G2 P4  G2 P4  G2 P4  G2 P4  G2 P4  G2 P2  G2 P2  G2 P2  G2 P2  G2 P2  G2 P2  G2 P1  G2 P1  G2 P1	

## P3 G2 P1 P5

and wherein the groups P, and G are as described in "Substituents per Example Libraries 1-14" in the specification.

5 36. The method of claim 15, wherein the compound is

R1	R2	R3	R4
P1	G1	P4	P2
P1	G1	P4	P3
P1	G1	P4	P4
P1	G1	P2	P3
P1	G1	P2	P4_
P1	G1	P1	P3
P1	G1	P1	P4
<u>P1</u>	G2	P4	P2
P1	G2	P4	P3
P1	G2	P4	P4
P1	G2	P2	P2
<u>P1</u>	G2	P2	P3
P1	G2	P2	P4
P1	G2	P1	P2
P1	G2	P1	P3
<u>P1</u>	G2	P1	P4
P4	G1	P4	P2
<b>P4</b>	G1	P4	P3
<b>P4</b>	G1	P4	P4
P4	G1	P2	P2
<b>P4</b>	G1	P2	P3
P4	G1	P2	P4_
P4	G1	P1	P2
P4	G1	P1	P3
P4	G1	P1	P4
P4	G2	P4	P2_
<b>P4</b>	G2	P4	P3
P4	G2	P4	P4
P4	G2	P2	P2

P4	G2	P2	P3
P4	G2	P2	P4
P4	G2	P1	P2
P4	G2	P1	P3
P4	G2	P1	P4
P1	G3	Р3	P3

and wherein the groups P, and G are as described in "Substituents per Example Libraries 1-14" in the specification.

#### 5 37. The method of claim 15, wherein the compound is

wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3
<b>A2</b>	G4	P3
<b>A2</b>	G4	P12
A2	G4	P13
A2	G4	P1
<b>A2</b>	E1	P3
<b>A2</b>	E1	P4
A2	E1	P12
<b>A2</b>	E1	P13
A1	E1	P3
<u>A1</u>	E1	P4

and wherein the groups P, A and E are as described in "Substituents per Example Libraries 1-14" in the specification.

38. A pharmaceutical formulation comprising a compound as claimed in claim 1 or a pharmaceutically acceptable salt thereof, together with one or more pharmaceutically acceptable carriers, diluents or excipients.